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Chantilly, VA 20151

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Date: May 15, 2006

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**MAY 15 2006**

**TO:** **USPTO**  
Examiner R. J. Hoffberg  
Art Unit 2835  
Fax Number 571-273-8300

**FROM:** **Alan Pedersen-Giles**  
Fax Number 703-633-3303  
Phone Number 703-633-1061


**SUBJECT:** Application Number 10/735,121  
Inventor(s) Rajiv K. Mongia, et al.  
Date Filed December 12, 2003  
Docket Number 42P18072  
Title Heat Exchanger With Cooling Channels Having Varying Geometry

**INCLUDED IN THIS TRANSMISSION:**

Fax Cover Sheet	1 page
Transmittal	1 page
Amendment	9 pages

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Alan Pedersen-Giles

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PTO/SB/21 (09-04)

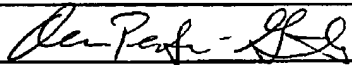
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/735,121	
	Filing Date	December 12, 2003	
	First Named Inventor	Rajiv K. Mongia	
	Art Unit	2835	
	Examiner Name	R. J. Hoffberg	
Total Number of Pages in This Submission	11	Attorney Docket Number	42P18072

<b>ENCLOSURES (Check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>			
Firm Name	Intel Americas		
Signature			
Printed name	Alan Pedersen-Giles		
Date	May 15, 2006	Reg. No.	39,996

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Signature			
Typed or printed name	Alan Pedersen-Giles	Date	May 15, 2006

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PATENT  
Docket No. 42.P18072

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Rajiv Mongia et al.

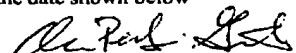
Application No.: 10/735,121

Filed: December 12, 2003

For: HEAT EXCHANGER WITH COOLING  
CHANNELS HAVING VARYING GEOMETRY)  
)  
) Group Art Unit: 2835  
)  
) Examiner: R. Hoffberg  
)  
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)  
)  
)  
)***AMENDMENT***Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated February 15, 2006, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

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By: <u></u> Alan Pedersen-Giles	Date: <u>May 15, 2006</u>